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=> file biosis medline caplus wpids uspatfull
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                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.84       0.84

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*** YOU HAVE NEW MAIL ***

=> s rhodamine and aphenyl?
L1          24 RHODAMINE AND APHENYL?

=> dup rem l1
PROCESSING COMPLETED FOR L1
L2           24 DUP REM L1 (0 DUPLICATES REMOVED)

=> d l2 bib abs 1-24

L2   ANSWER 1 OF 24  USPATFULL on STN
AN     2006:202424  USPATFULL
TI     Labeling reagents and labeled targets comprising nonmetallic porphyrins
IN     Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
       Rabbani, Elazar, New York, NY, UNITED STATES
PA     Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., New York, NY, UNITED
       STATES (U.S. corporation)
PI     US 2006172308      A1   20060803
AI     US 2004-763088     A1   20040122 (10)
RLI    Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT     Utility
FS     APPLICATION
LREP   ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022,
       US
CLMN   Number of Claims: 19
ECL    Exemplary Claim: 1
DRWN   15 Drawing Page(s)
LN.CNT 3541
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB     This invention provides for labeling reagents, labeled targets and
       processes for preparing labeling reagents. The labeling reagents can
       take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin
       dyes or composite dyes. These labeling reagents are useful for labeling
       probes or targets, including nucleic acids and proteins. These reagents
       can be usefully applied to protein and nucleic acid probe based assays.
       They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2   ANSWER 2 OF 24  USPATFULL on STN
AN     2006:196468  USPATFULL
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TI Novel fluorescent protein from aequorea coerulscens and methods for using the same
IN Gurskaya, Nadejda G, TSURUPY STREET 7-2-21, MOSCOW, RUSSIAN FEDERATION 117418
PI US 2006167225 A1 20060727
AI US 2003-501629 A1 20030117 (10)
WO 2003-IB907 20030117
20040715 PCT 371 date
PRAI US 2002-351518P 20020122 (60)
DT Utility
FS APPLICATION
LREP B. Todd Patterson, Moser, Patterson & Sheridan, 3040 Post Oak Blvd., Suite 1500, Houston, TX, 77056, US
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 23 Drawing Page(s)
LN.CNT 2462
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides nucleic acid compositions encoding a novel colorless GFP-like protein, acGFP, from Aequorea coerulscens and fluorescent and non-fluorescent mutants and derivatives thereof, as well as peptides and proteins encoded by these nucleic acid compositions. The subject protein and nucleic acid compositions of the present invention are colored and/or fluorescent and/or can be photoactivated, and can be used in a variety of different biological applications, particularly for labeling. Finally, kits for use in such biological applications are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 3 OF 24 USPATFULL on STN
AN 2006:40616 USPATFULL
TI Processes for incorporating nucleic acid sequences into an analyte or library of analytes
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2006035264 A1 20060216
AI US 2005-237466 A1 20050927 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 69
ECL Exemplary Claim: 1-413
DRWN 15 Drawing Page(s)
LN.CNT 4099
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 4 OF 24 USPATFULL on STN
AN 2006:34199 USPATFULL
TI Processes for quantitative or qualitative detection of single-stranded or double-stranded nucleic acids
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PI US 2006029968 A1 20060209
AI US 2005-235516 A1 20050926 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 275
ECL Exemplary Claim: 1-33
DRWN 15 Drawing Page(s)
LN.CNT 5182
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 5 OF 24 USPATFULL on STN
AN 2006:27907 USPATFULL
TI Site- or sequence-specific process for cleaving analytes and library of analytes
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2006024738 A1 20060202
AI US 2005-237467 A1 20050927 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 555
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 6144
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to

nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 6 OF 24 USPATFULL on STN
AN 2006:27906 USPATFULL
TI Process for removal of homopolymeric sequence portion from analyte(s) and library of analytes
IN Babbani, Elazar, New york, NY, UNITED STATES
Stavrianopoulos, Jannis G., Baysnore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2006024737 A1 20060202
AI US 2005-237442 A1 20050927 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 17
ECL Exemplary Claim: 1-527
DRWN 15 Drawing Page(s)
LN.CNT 3943
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 7 OF 24 USPATFULL on STN
AN 2006:27904 USPATFULL
TI Chimeric nucleic acid constructs and compositions comprising sets of nucleic acid constructs
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Lslip, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2006024735 A1 20060202
AI US 2005-236151 A1 20050927 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION

LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 52
ECL Exemplary Claim: 1-404
DRWN 15 Drawing Page(s)
LN.CNT 4013
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 8 OF 24 USPATFULL on STN
AN 2005:159178 USPATFULL
TI Real-time nucleic acid detection processes and compositions
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Baysnore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PI US 2005137388 A1 20050623
AI US 2002-96076 A1 20020312 (10)
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 542
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 6158
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 9 OF 24 USPATFULL on STN
AN 2005:5243 USPATFULL
TI Novel chemiluminescent reagents
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, 10022 (U.S. corporation)
PI US 2005004350 A1 20050106
AI US 2004-764388 A1 20040123 (10)

RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 17
ECL Exemplary Claim: CLM-1-286
DRWN 15 Drawing Page(s)
LN.CNT 3601
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 10 OF 24 USPATFULL on STN
AN 2004:321700 USPATFULL
TI Labeling reagents comprising aphenylic analogs of rhodamine dyes
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY (U.S. corporation)
PI US 2004254355 A1 20041216
AI US 2004-763076 A1 20040122 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 286
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 4545
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 11 OF 24 USPATFULL on STN
AN 2004:320760 USPATFULL
TI Optical filter and organic EL display using the same
IN Baba, Yasuko, Tokyo-to, JAPAN
Asano, Masaaki, Tokyo-to, JAPAN
PI US 2004253413 A1 20041216
AI US 2004-785489 A1 20040224 (10)
PRAI JP 2003-52204 20030228
DT Utility
FS APPLICATION
LREP Richard J. Streit, Ladas & Parry, Suite 1200, 224 South Michigan Avenue, Chicago, IL, 60604
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 4 Drawing Page(s)

LN.CNT 1257
AB An object of the present invention is to solve the problem of losing a part of the incident light due to the irregular reflection of the incident light if a layer containing fine particles is formed by coating for the purpose of roughing when providing measures to prevent the reflection of the light at the surface of the color filter layer or at the surface of the color conversion layer inside a display, or a problem of difficulty in management of the paint for obtaining a certain roughened surface or a problem of increase of the number of processes to prevent the reflection when preventing the reflection by laminating plural layers of different refractive indices. By for example, laminating a black matrix 12, a color filter layer 13, a color conversion layer 15 or the like on a transparent substrate 11, and above thereof, combining an optical filter 10 having a minute concave-convex surface 14, with an endless number of minute concave-convex by a pitch of the wavelength of the light or less formed, with an organic EL element 20, the object can be achieved.

L2 ANSWER 12 OF 24 USPATFULL on STN
AN 2004:292946 USPATFULL
TI Heterodimeric dye composition
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabban, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES, 10022 (U.S. corporation)
PI US 2004230036 A1 20041118
AI US 2004-764389 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 286
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 4541
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 13 OF 24 USPATFULL on STN
AN 2004:292164 USPATFULL
TI Novel dye labeling composition
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, 10022 (U.S. corporation)
PI US 2004229248 A1 20041118
US 6949659 B2 20050927
AI US 2004-764393 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue, 9th Floor, New York, NY, 10022-4304
CLMN Number of Claims: 4
ECL Exemplary Claim: CLM-1-286

DRWN 15 Drawing Page(s)
LN.CNT 3537
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 14 OF 24 USPATFULL on STN
AN 2004:260541 USPATFULL
TI Process for preparing novel cyanine dye labeling reagents
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbam, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, 10022 (U.S. corporation)
PI US 2004203038 A1 20041014
AI US 2004-761906 A1 20040121 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 15
ECL Exemplary Claim: CLM-1-286
DRWN 15 Drawing Page(s)
LN.CNT 3584
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 15 OF 24 USPATFULL on STN
AN 2004:255440 USPATFULL
TI Multisignal labeling reagents, and processes and uses therefor
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
PI US 2004198971 A1 20041007
AI US 2003-407818 A1 20030403 (10)
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022
CLMN Number of Claims: 97
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)
LN.CNT 1433
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides multisignal labeling reagents and these are useful in a number of biochemical applications, including the manufacture of biomolecular probes and their use in detecting or amplifying analyte-specific moieties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 16 OF 24 USPATFULL on STN
AN 2004:248291 USPATFULL
TI Process for detecting the presence or quantity of enzymatic activity in a sample
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES, 10022 (U.S. corporation)
PI US 2004192893 A1 20040930
AI US 2004-764417 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 36
ECL Exemplary Claim: CLM-1-286
DRWN 15 Drawing Page(s)
LN.CNT 3665
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 17 OF 24 USPATFULL on STN
AN 2004:228200 USPATFULL
TI Process for detecting the presence or quantity of enzymatic activity in a sample
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2004176586 A1 20040909
AI US 2004-764418 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 286
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 4543
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 18 OF 24 USPATFULL on STN
AN 2004:129580 USPATFULL
TI Photopolymerizable composition and recording material using the same
IN Matsumoto, Hirotaka, Shizuoka-ken, JAPAN
Takashima, Masanobu, Shizuoka-ken, JAPAN

Washizu, Shintaro, Shizuoka-ken, JAPAN
Kawamura, Koichi, Shizuoka-ken, JAPAN
Sorori, Tadahiro, Shizuoka-ken, JAPAN
PA Fuji Photo Film Co., Ltd., Kanagawa, JAPAN (non-U.S. corporation)
PI US 6740466 B1 20040525
AI US 2000-676487 20001002 (9)
PRAI JP 1999-323762 19991115
JP 2000-94431 20000330
DT Utility
FS GRANTED
EXNAM Primary Examiner: Huff, Mark F.; Assistant Examiner: Thornton, Yvette C.
LREP Sughrue Mion, PLLC
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 2746
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Provided is a photopolymerizable composition which has a high sensitivity to not only ultraviolet light but also to visible to infrared light. The photopolymerizable composition is a composition comprising a polymerizable compound having an ethylenically unsaturated bond, a compound represented by the following general formula (1), and an organoboron compound represented by the following general formula (A): ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 19 OF 24 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
AN 2004-055097 [06] WPIDS
DNN N2004-044609 DNC C2004-022436
TI Labeling reagent useful for e.g. determining the amount of nucleic acid in a sample comprises a marker moiety and a reactive group covalently linked together.
DC B04 D16 E24 S03
IN RABBANI, E; STAVRIANOPOULOS, J G; RABBAM, E; RABBAN, E
PA (ENZO-N) ENZO LIFE SCI INC; (RABB-I) RABBANI E; (STAV-I) STAVRIANOPOULOS J G
CYC 34
PI EP 1348713 A2 20031001 (200406)* EN 102
R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR
CA 2421552 A1 20030912 (200406) EN
JP 2004004048 A 20040108 (200406) 245
US 2003225247 A1 20031204 (200406)
US 2004176586 A1 20040909 (200459)
US 2004192893 A1 20040930 (200465)
US 2004203038 A1 20041014 (200468)
US 2004229248 A1 20041118 (200477)
US 2004230036 A1 20041118 (200477)
US 2004254355 A1 20041216 (200482)
US 2005004350 A1 20050106 (200504)
US 6949659 B2 20050927 (200563)
US 2006172308 A1 20060803 (200651)
ADT EP 1348713 A2 EP 2003-4894 20030306; CA 2421552 A1 CA 2003-2421552 20030311; JP 2004004048 A JP 2003-114988 20030311; US 2003225247 A1 US 2002-96075 20020312; US 2004176586 A1 Div ex US 2002-96075 20020312, US 2004-764418 20040123; US 2004192893 A1 Div ex US 2002-96075 20020312, US 2004-764417 20040123; US 2004203038 A1 Div ex US 2002-96075 20020312, US 2004-761906 20040121; US 2004229248 A1 Div ex US 2002-96075 20020312, US 2004-764393 20040123; US 2004230036 A1 Div ex US 2002-96075 20020312, US 2004-764389 20040123; US 2004254355 A1 Div ex US 2002-96075 20020312, US 2004-763076 20040122; US 2005004350 A1 Div ex US 2002-96075 20020312, US 2004-764388 20040123; US 6949659 B2 Cont of US 2002-96075 20020312, US 2004-764393 20040123; US 2006172308 A1 Div ex US 2002-96075 20020312, US

2004-763088 20040122
PRAI US 2002-96075 20020312; US 2004-764418 20040123;
US 2004-764417 20040123; US 2004-761906 20040121;
US 2004-764393 20040123; US 2004-764389 20040123;
US 2004-763076 20040122; US 2004-764388 20040123;
US 2004-763088 20040122
AN 2004-055097 [06] WPIDS
AB EP 1348713 A UPAB: 20040123
NOVELTY - A labeling reagent (XII) comprises a marker moiety and a reactive group covalently linked together.

DETAILED DESCRIPTION - A labeling reagent of formula (MR) (XII) comprises a marker moiety and a reactive group covalently linked together.

M = marker moiety comprising ligand and/or dye; and

R = reactive group capable of forming a carbon-carbon linkage with the target.

INDEPENDENT CLAIMS are included for the following:

(a) a labeled target, labeled by reacting target with (XII) to form a carbon-carbon linkage between the target and (XII);

(b) preparation of cyanine dye labeling reagent of formula (I) involving forming a mixture comprising intermediate compounds of formulae (Ia) and (Ib), and linking reagents to link (Ia) and (Ib);

(c) a labeled nucleotide comprising an aphenylic analog of a rhodamine dye, which is attached directly to the nucleotide or indirectly through a linker;

(d) a heterodimeric dye composition (C1) comprising a dye (a) containing a phenanthridinium moiety and another dye (b) different from (a) and attached through the phenyl ring of the phenanthridinium moiety;

(e) determining the amount of nucleic acid in a sample involving:

(1) forming a mixture of the sample (a dye comprising two phenanthridinium moieties linked through a phenyl group in each of the two moieties, or a dye of formula (IV), or (C1) and reagents for carrying out dye binding, hybridization and/or strand extension) to produce a complex comprising the dye and any nucleic acid present in the sample;

(2) illuminating the mixture formed at wavelength below 400 nanometer (nm); and

(3) measuring fluorescent emission from the illuminated mixture, the emission being proportional to the quantity of the nucleic acid present in the sample;

(f) a composition comprising at least one of (IV);

(g) a chemiluminescent reagent of formula (VIII) or (IX);

(h) detecting the presence or quantity of enzymatic activity in a sample involving:

(1) either forming a mixture of the sample, (VIII) or (IX) and reagents and buffers for carrying out chemiluminescent reactions or contacting (VIII) or (IX) and the reagents and buffers with the sample;

(2) enzymatically converting (VIII) or (IX) into an unstable light-emitting dioxetane form; and

(3) measuring the quantity of light generated by the enzymatic conversion; and

(i) a dye composition comprising a compound of formula Rc-Fluorescent Dye.

at least one of R1-R10 = group capable of forming a carbon to carbon bond with a target;

X1, X2 = C, O, N or S;

n = 1-3;

Y = piperidin-1-yl, -NH-(CH2)2-NH-(CH2)2-NH2, N+((CH2)2)-CH2CH2-N+((CH2)2) or N,N-diethyl-N-methylammonium;

Q = (poly)cycloalkyl;

Z = H, aralkyl, alkaryl, (hetero)alkyl, (hetero)aryl, cycloalkyl or cycloheteroalkyl;

R1a and R2a = chemical moieties;

A = cyclic ring;

Ra = chemical linker;

Rb = substrate for non-cleaving enzymatic process;

Rc = unsaturated aliphatic groups, unsaturated heterocyclic groups and/or aromatic groups.

R1a is enzymatically converted into R1b, which comprises a chemical reactive group G1. R2a is attached to the cyclic ring through an oxygen atom and comprises a chemical reactive group G2, which reacts with the G1 to convert the dioxetane to an unstable light-emitting dioxetane form. The product of enzymatic process leads to further chemical rearrangement that generate an unstable light emitting dioxetane form. Rc is capable of providing a conjugated system or an electron delocalized system with the fluorescent dye.

USE - For labeling a target; for determining the amount of nucleic acid in a sample; and for detecting the presence or quantity of enzymatic activity in a sample (claimed); and in protein and nucleic acid probe based assays.

Dwg.0/15

L2 ANSWER 20 OF 24 USPATFULL on STN
AN 2003:319498 USPATFULL
TI Labeling reagents and labeled targets, target labeling processes and other processes for using same in nucleic acid determinations and analyses
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PI US 2003225247 A1 20031204
AI US 2002-96075 A1 20020312 (10)
DT Utility
FS APPLICATION
LREP ENZO LIFE SCIENCES, INC., c/o ENZO BIOCHEM, INC., 527 Madison Avenue, 9th Floor, New York, NY, 10022
CLMN Number of Claims: 286
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 4499
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 21 OF 24 USPATFULL on STN
AN 2003:187732 USPATFULL
TI Photopolymerizable composition and recording material
IN Matsumoto, Hirotaka, Shizuoka-ken, JAPAN
Washizu, Shintaro, Shizuoka-ken, JAPAN
Takashima, Masanobu, Shizuoka-ken, JAPAN
PA FUJI PHOTO FILM CO., LTD. (non-U.S. corporation)
PI US 2003129521 A1 20030710
US 6756177 B2 20040629
AI US 2002-254641 A1 20020926 (10)
PRAI JP 2001-298172 20010927
DT Utility
FS APPLICATION
LREP SUGHRUE MION, PLLC, 2100 PENNSYLVANIA AVENUE, N.W., WASHINGTON, DC, 20037
CLMN Number of Claims: 19
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2674
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides a photopolymerizable composition containing a polymerizable compound having an ethylenically unsaturated bond, a compound represented by the following general formula (I), and a radical generating agent capable of generating a radical by interacting with the compound represented by the following general formula (I). General Formula (I); ##STR1##

In the general formula (I), R.sup.1, R.sup.2, and R.sup.3 each individually represent a hydrogen atom or a monovalent substituent; R.sup.4 represents at least one member selected from the group consisting of: a hydrogen atom, an aliphatic group, an aromatic group, and a heterocyclic group; Z.sup.1 represents a substituent necessary for allowing the compound represented by the general formula (I) to become a dye; and X.sup.- represents a group capable of forming an anion. The invention also provides a recording material in which a recording layer containing the photopolymerizable composition is provided on a support.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 22 OF 24 USPATFULL on STN
AN 1999:99702 USPATFULL
TI Method for forming highly colored polymeric bodies
IN Ren, Yuijin, Bowling Green, OH, United States
Jager, Wolter, Bowling Green, OH, United States
Neckers, Douglas C., Perrysburg, OH, United States
PA Spectra Group Limited, Inc., Maumee, OH, United States (U.S. corporation)
PI US 5942554 19990824
AI US 1996-603642 19960220 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Nguyen, Nam; Assistant Examiner: VerSteeg, Steven H.
LREP Thompson Hine & Flory LLP
CLMN Number of Claims: 33
ECL Exemplary Claim: 27
DRWN 2 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 737
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method for the formation of a colored polymeric body which comprises subjecting a curable composition containing a color precursor and an onium salt to heat or actinic radiation to cure the composition, wherein the color precursor is converted to its colored form, and a curable composition capable of forming a colored polymeric body, are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 23 OF 24 USPATFULL on STN
AN 1999:72375 USPATFULL
TI Thermoresponsive microcapsule, heat sensitive recording material and multicolor heat sensitive recording material
IN Wakata, Yuichi, Shizuoka-ken, Japan
Ichikawa, Kimio, Shizuoka-ken, Japan
PA Fuji Photo Film Co., Ltd, Kanagawa, Japan (non-U.S. corporation)
PI US 5916680 19990629
AI US 1997-944238 19971006 (8)
PRAI JP 1996-268721 19961009
DT Utility
FS Granted
EXNAM Primary Examiner: Nutter, Nathan M.
LREP Sughrue, Mion, Zinn, Macpeak & Seas, PLLC
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1427

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A thermo-responsive microcapsule containing a diazo compound or an electron donative dye precursor, wherein the capsule wall of the microcapsule is composed of at least one polymer obtained by polymerization of an isocyanate compound containing an adduct of (A) a compound having one active hydrogen in the molecule and having an average molecular weight from 500 to 20000 and (B) a multifunctional isocyanate having two or more isocyanate groups in the molecule, and a heat-sensitive recording material and a multicolor heat-sensitive recording material comprising a heat-sensitive recording layer containing the microcapsule are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 24 OF 24 USPATFULL on STN

AN 90:46672 USPATFULL

TI Chromogenic lactone compounds of benzopyrano-2H-pyrazoles

IN Fletcher, Ian J., Magden, Switzerland

PA Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)

PI US 4933448 19900612

AI US 1989-343094 19890425 (7)

PRAI CH 1988-1568 19880427

DT Utility

FS Granted

EXNAM Primary Examiner: Lee, Mary C.; Assistant Examiner: Kilby Scalzo, Catherine S.

LREP Dohmann, George R., Mansfield, Kevin T.

CLMN Number of Claims: 12

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 612

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Chromogenic lactone compounds of benzopyrano-2H-pyrazoles of the formula ##STR1## in which Ar is an aryl radical which is unsubstituted or substituted by halogen, nitro, cyano, lower alkyl, lower alkoxy, lower alkylthio, lower alkoxycarbonyl, trifluoromethyl, phenoxy, phenylthio or --NX.sub.3 X.sub.4,

R.sub.1 is hydrogen, lower alkyl or lower alkoxy,

R.sub.2 is lower alkyl, phenyl, or phenyl which is substituted by halogen, lower alkyl or lower alkoxy, and

X.sub.1, X.sub.2, X.sub.3 and X.sub.4, independently of one another, are each hydrogen, alkyl which is unsubstituted or substituted by halogen, hydroxyl, cyano, tetrahydrofuryl or lower alkoxy, or are acyl, cycloalkyl, or aralkyl or aryl, each of which is unsubstituted or substituted by halogen, cyano, nitro, trifluoromethyl, lower alkyl, lower alkoxy or lower alkoxycarbonyl, or the substituent pairs (X.sub.1 and X.sub.2) and (X.sub.3 and X.sub.4), in each case together with the common nitrogen atom, are a 5- or 6-membered, preferably saturated heterocyclic radical, and in which the ring A is unsubstituted or substituted by halogen, nitro, lower alkyl, lower alkoxy, lower alkylthio, lower alkoxycarbonyl, amino, mono(lower alkyl)amino or di(lower alkyl)amino.

These novel lactone compounds are particularly suitable as color formers in pressure-sensitive or heat-sensitive recording materials, and give intense yellow, orange or red colorations.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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 file biosis medline caplus wpids uspatfull
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     9.68     108.94

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*** YOU HAVE NEW MAIL ***

=> s rhodamine (4a) aromatic group?
L3          15 RHODAMINE (4A) AROMATIC GROUP?

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4           15 DUP REM L3 (0 DUPLICATES REMOVED)

=> d l4 bib abs 1-15

L4   ANSWER 1 OF 15  USPATFULL on STN
AN     2006:202424  USPATFULL
TI     Labeling reagents and labeled targets comprising nonmetallic porphyrins
IN     Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
       Rabbani, Elazar, New York, NY, UNITED STATES
PA     Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., New York, NY, UNITED
       STATES (U.S. corporation)
PI     US 2006172308      A1   20060803
AI     US 2004-763088     A1   20040122 (10)
RLI    Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT     Utility
FS     APPLICATION
LREP   ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022,
       US
CLMN   Number of Claims: 19
ECL    Exemplary Claim: 1
DRWN   15 Drawing Page(s)
LN.CNT 3541
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB     This invention provides for labeling reagents, labeled targets and
       processes for preparing labeling reagents. The labeling reagents can
       take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin
       dyes or composite dyes. These labeling reagents are useful for labeling
       probes or targets, including nucleic acids and proteins. These reagents
       can be usefully applied to protein and nucleic acid probe based assays.
       They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4   ANSWER 2 OF 15  USPATFULL on STN
AN     2006:40616  USPATFULL
TI     Processes for incorporating nucleic acid sequences into an analyte or
```

library of analytes
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2006035264 A1 20060216
AI US 2005-237466 A1 20050927 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 69
ECL Exemplary Claim: 1-413
DRWN 15 Drawing Page(s)
LN.CNT 4099
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 15 USPATFULL on STN
AN 2006:34199 USPATFULL
TI Processes for quantitative or qualitative detection of single-stranded or double-stranded nucleic acids
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PI US 2006029968 A1 20060209
AI US 2005-235516 A1 20050926 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 275
ECL Exemplary Claim: 1-33
DRWN 15 Drawing Page(s)
LN.CNT 5182
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly

A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 15 USPATFULL on STN
AN 2006:27907 USPATFULL
TI Site- or sequence-specific process for cleaving analytes and library of analytes
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2006024738 A1 20060202
AI US 2005-237467 A1 20050927 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 555
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 6144
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 15 USPATFULL on STN
AN 2006:27906 USPATFULL
TI Process for removal of homopolymeric sequence portion from analyte(s) and library of analytes
IN Babbani, Elazar, New york, NY, UNITED STATES
Stavrianopoulos, Jannis G., Baysnore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2006024737 A1 20060202
AI US 2005-237442 A1 20050927 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 17
ECL Exemplary Claim: 1-527
DRWN 15 Drawing Page(s)
LN.CNT 3943

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 15 USPATFULL on STN
AN 2006:27904 USPATFULL
TI Chimeric nucleic acid constructs and compositions comprising sets of nucleic acid constructs
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Lslip, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2006024735 A1 20060202
AI US 2005-236151 A1 20050927 (11)
RLI Division of Ser. No. US 2002-96076, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 52
ECL Exemplary Claim: 1-404
DRWN 15 Drawing Page(s)
LN.CNT 4013
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 7 OF 15 USPATFULL on STN
AN 2005:159178 USPATFULL
TI Real-time nucleic acid detection processes and compositions
IN Rabbani, Elazar, New York, NY, UNITED STATES
Stavrianopoulos, Jannis G., Baysnore, NY, UNITED STATES
Donegan, James J., Long Beach, NY, UNITED STATES
Coleman, Jack, East Northport, NY, UNITED STATES
Liu, Dakai, Islip, NY, UNITED STATES
PI US 2005137388 A1 20050623
AI US 2002-96076 A1 20020312 (10)
DT Utility

FS APPLICATION
LREP ENZO BIOCHEM, INC., 527 MADISON AVENUE (9TH FLOOR), NEW YORK, NY, 10022, US
CLMN Number of Claims: 542
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 6158
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for compositions for use in real time nucleic acid detection processes. Such real time nucleic acid detection processes are carried out with energy transfer elements attached to nucleic acid primers, nucleotides, nucleic acid probes or nucleic acid binding agents. Real time nucleic acid detection allows for the qualitative or quantitative detection or determination of single-stranded or double-stranded nucleic acids of interest in a sample. Other processes are provided by this invention including processes for removing a portion of a homopolymeric sequence, e.g., poly A sequence or tail, from an analyte or library of analytes. Compositions useful in carrying out such removal processes are also described and provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 8 OF 15 USPATFULL on STN
AN 2005:5243 USPATFULL
TI Novel chemiluminescent reagents
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, 10022 (U.S. corporation)
PI US 2005004350 A1 20050106
AI US 2004-764388 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 17
ECL Exemplary Claim: CLM-1-286
DRWN 15 Drawing Page(s)
LN.CNT 3601
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 9 OF 15 USPATFULL on STN
AN 2004:321700 USPATFULL
TI Labeling reagents comprising aphenylic analogs of rhodamine dyes
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY (U.S. corporation)
PI US 2004254355 A1 20041216
AI US 2004-763076 A1 20040122 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304

CLMN Number of Claims: 286
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 4545
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 10 OF 15 USPATFULL on STN
AN 2004:292946 USPATFULL
TI Heterodimeric dye composition
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabban, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES, 10022 (U.S. corporation)
PI US 2004230036 A1 20041118
AI US 2004-764389 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 286
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 4541
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 11 OF 15 USPATFULL on STN
AN 2004:292164 USPATFULL
TI Novel dye labeling composition
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, 10022 (U.S. corporation)
PI US 2004229248 A1 20041118
US 6949659 B2 20050927
AI US 2004-764393 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue, 9th Floor, New York, NY, 10022-4304
CLMN Number of Claims: 4
ECL Exemplary Claim: CLM-1-286
DRWN 15 Drawing Page(s)
LN.CNT 3537
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and

processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 12 OF 15 USPATFULL on STN
AN 2004:260541 USPATFULL
TI Process for preparing novel cyanine dye labeling reagents
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbam, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, 10022 (U.S. corporation)
PI US 2004203038 A1 20041014
AI US 2004-761906 A1 20040121 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 15
ECL Exemplary Claim: CLM-1-286
DRWN 15 Drawing Page(s)
LN.CNT 3584
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 13 OF 15 USPATFULL on STN
AN 2004:248291 USPATFULL
TI Process for detecting the presence or quantity of enzymatic activity in a sample
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES, 10022 (U.S. corporation)
PI US 2004192893 A1 20040930
AI US 2004-764417 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 36
ECL Exemplary Claim: CLM-1-286
DRWN 15 Drawing Page(s)
LN.CNT 3665
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 14 OF 15 USPATFULL on STN
AN 2004:228200 USPATFULL
TI Process for detecting the presence or quantity of enzymatic activity in a sample
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PA Enzo Life Sciences, Inc., New York, NY, UNITED STATES (U.S. corporation)
PI US 2004176586 A1 20040909
AI US 2004-764418 A1 20040123 (10)
RLI Division of Ser. No. US 2002-96075, filed on 12 Mar 2002, PENDING
DT Utility
FS APPLICATION
LREP Ronald C. Fedus, Esq., Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc., 527 Madison Avenue (9th Floor), New York, NY, 10022-4304
CLMN Number of Claims: 286
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 4543
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 15 OF 15 USPATFULL on STN
AN 2003:319498 USPATFULL
TI Labeling reagents and labeled targets, target labeling processes and other processes for using same in nucleic acid determinations and analyses
IN Stavrianopoulos, Jannis G., Bayshore, NY, UNITED STATES
Rabbani, Elazar, New York, NY, UNITED STATES
PI US 2003225247 A1 20031204
AI US 2002-96075 A1 20020312 (10)
DT Utility
FS APPLICATION
LREP ENZO LIFE SCIENCES, INC., c/o ENZO BIOCHEM, INC., 527 Madison Avenue, 9th Floor, New York, NY, 10022
CLMN Number of Claims: 286
ECL Exemplary Claim: 1
DRWN 15 Drawing Page(s)
LN.CNT 4499
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides for labeling reagents, labeled targets and processes for preparing labeling reagents. The labeling reagents can take the form of cyanine dyes, xanthene dyes, porphyrin dyes, coumarin dyes or composite dyes. These labeling reagents are useful for labeling probes or targets, including nucleic acids and proteins. These reagents can be usefully applied to protein and nucleic acid probe based assays. They are also applicable to real-time detection processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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